

Smart Skies			
2007 Mathematics			
Core Curriculum			
Utah Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	UT	MA.5.3.1.a	Draw, label, and describe line segments, rays, lines, parallel lines, and perpendicular lines.
Fly by Math	UT	MA.5.3.2.a	Locate points defined by ordered pairs of integers.
Fly by Math	UT	MA.5.3.2.b	Write an ordered pair for a point in a coordinate plane with integer coordinates.
Fly by Math	UT	MA.5.3.2.c	Specify possible paths between locations on a coordinate plane and compare distances of the various paths.
Fly by Math	UT	MA.5.5.1.a	Construct, analyze, and display data using an appropriate format (e.g., line plots, bar graphs, line graphs).
Line Up with Math	UT	MA.5.3.1.a	Draw, label, and describe line segments, rays, lines, parallel lines, and perpendicular lines.
Line Up with Math	UT	MA.5.3.2.a	Locate points defined by ordered pairs of integers.
Line Up with Math	UT	MA.5.3.2.b	Write an ordered pair for a point in a coordinate plane with integer coordinates.
Line Up with Math	UT	MA.5.3.2.c	Specify possible paths between locations on a coordinate plane and compare distances of the various paths.
Smart Skies			
2007 Mathematics			
Core Curriculum			
Utah Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	UT	MA.6.3.2.a	Rotate a polygon about the origin by a multiple of 90° and identify the location of the new vertices.
Fly by Math	UT	MA.6.3.2.b	Translate a polygon either horizontally or vertically on a coordinate grid and identify the location of the new vertices.
Fly by Math	UT	MA.6.3.2.c	Reflect a polygon across either the x- or y-axis and identify the location of the new vertices.
Fly by Math	UT	MA.6.5.1.b	Extend data display and comparisons to include scatter plots and circle graphs.
Fly by Math	UT	MA.6.5.1.d	Recognize that changing the scale influences the appearance of a display of data.
Smart Skies			
2007 Mathematics			
Core Curriculum			
Utah Mathematics			
Grades 7-12 (Algebra 1)			
Activity/Lesson	State	Standards	

Fly by Math	UT	MA.7-12.2.1.a	Identify the slope of a line when given points, a graph, or an equation.
Fly by Math	UT	MA.7-12.2.3.a	Write the equation of a line when given two points or the slope and a point on the line.
Fly by Math	UT	MA.7-12.2.3.b	Approximate the equation of a line given the graph of a line.
Fly by Math	UT	MA.7-12.2.3.c	Identify the x- and y-intercepts from an equation or graph of a line or a table of values.
Fly by Math	UT	MA.7-12.2.3.d	Graph linear relations and inequalities by plotting points, by finding x- and y-intercepts, or by using the slope and any point on the line.
Fly by Math	UT	MA.7-12.4.1.a	Collect, record, organize, and display a set of data with at least two variables.
Fly by Math	UT	MA.7-12.4.2.b	Interpret the slope and y-intercept of a line through data.
Line Up with Math	UT	MA.7-12.2.1.a	Identify the slope of a line when given points, a graph, or an equation.
Line Up with Math	UT	MA.7-12.2.3.a	Write the equation of a line when given two points or the slope and a point on the line.
Line Up with Math	UT	MA.7-12.2.3.b	Approximate the equation of a line given the graph of a line.
Line Up with Math	UT	MA.7-12.2.3.c	Identify the x- and y-intercepts from an equation or graph of a line or a table of values.
Line Up with Math	UT	MA.7-12.2.3.d	Graph linear relations and inequalities by plotting points, by finding x- and y-intercepts, or by using the slope and any point on the line.
Line Up with Math	UT	MA.7-12.3.2.b	Solve real-world problems involving constant rates of change.
Line Up with Math	UT	MA.7-12.4.2.b	Interpret the slope and y-intercept of a line through data.